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Croesus/Austmin Winnie Moxham resurrection?	IA	J480 J481	surplus Rights from Paranapanema to	IA	J419	A TEM speeds exploration drivage at Kiena gold			Cambior Musselwhite: tribal grants	IA	
Romanian equipment for Hancock	IA	J481	Garimpeiros Brazil's aluminium earnings	IA	J420 J433	mine Heap leaching in north	A	M088	Graham Island ready for project funding	IA	
Barrack reviews silicon project	IA	J481	Brazilian scene Argentina-Brazil border des	36.M	J454	Ontario Red Lake testing for	A	M094	Jolu pours first gold bar Trade free	IA	J419 J425
Mineral sands for Wimmera Refining Australia's	IA	J481	Goias golden output	IA		McFinley Eldrich reopens and changes	IA	J180	Kirkland Lake revival Major changes at Inco's	P	M313
industry Australian survey	MA.	J497 J498	BULGARIA			Kitimat shutdown averted	IA	J181 J182 J199	Sudbury Bond's first North American	H	M320
Copper plan for Melita Mining	IA	J500	Manganese mine in Bulgaria	IA	J320	Tribal land Bourlamaque suspension	IA	J200	guld Golden Pond officially	H	M320
White Flag gold pour Australian uranium for Japan	IA	J501 J502	BURKINA FASO			Big ripple at Golden Pond Gunsteel plans Nugget mill	IA IA	J200 J201 J201	opened Iskut river drilling	H	M320 J436
Granny Smith gold increase Gold-copper-silver discovery	H	M463 M464				Jolu delay for Mahogany Campbell streamlining Noramco to solve production	IA	J201	Harrison Lake step out drilling	IA	
Largest platinum anomaly is Australia	H	M464 M474	Burkina Faso/Korean pact	IA	J299	problems	IA	J203	Windy Craggy potential Noranda expands Newfoundlan	I/	
German Creek mine	A	2012	BURMA			Sands reprocessing for Solv- Em Vancouver Island ban	IA	J203 J203	work Noranda/Tarzan on Joburke	14	
AUSTRIA			Ructions in Rangoon	N	J187 J202	Cobalt celebration Golden Pond opened	N	J209 J217	claims Mt. Willigan drilling for	I	J436
Placing the Au in Austria Hungarian-Austrian joint	H	M015	Burmese refinery contract	10	0.000	Canadian park ban Placer Dome resignation	HA	J218 J218	United Lincoln/BP Resources	I	
venture Austrian tunnelling methods	IA	J277 M281	CAMEROUN			More funds for Cape Ray Noranda/Claude at Grassy	IA	J220	Laterriere smelter: phase I Hope Brook mill commissions	ed I/	
			Cameroun activity	IA	J276	Lake Brett drilling for Corona	IA IA	J220 J220	Newfoundland Zinc nears closure	I/	J438
BAHRAIN			CANADA			More results from Energex AL gold claims	IA	J220	Tillicum reserves for Esperanza	1/	J456
New life for Bahraini pellet plant	IA	J258	Vedron update	1/	A J005	Inel drifting continues Bitech expands Tache zone	IA	J221 J221	Snow Lake interest for BHP- Utah	1/	
			Venture for Muskox feeder dyke	I		Bitech acquires Newfoundland property	IA	J221	Tailings for Sikaman Ateba progresses Magnet project	1/	
BANGLADESH			Chester Township test mill Tundra stakes Jackfish Lak Abitibi/Teck venture	e I	A J005	Iris drilling for Alberta Gold	IA	J221	Expansion at Becancour Campbell: Joe Mann expansion	E	J459
Indigenous energy for Bangladesh	T.A	J078	Matachewan plans for	I		Granges/Abermin at loggerheads	IA		Canadian/Saudi talks Mt. Hundere reserves up	I	J459
Bangladesh coal search	MA		Garrison results for		A J006	Orleans work in Nova Scotia	IA	J235 J236	Corona into Mings Bight VSM/Serem partnership	I.	1 J480
BELGIUM			Silverside Sleeping Giant on-stream	1.	A J007	Island drilling		J236	Mt. Templeman evaluation for		
Catalytic converter plant			Canadian coal exports Falconbridge wins independence	I.		Takla Rainbow promising Canamax: Mattawasaga/Mt	IA		Bonaparte Central deal for QPX	1	
for Johnson Matthey	IA	J041	Underground work at Jerome	1				J236	Nugget Pond results for Bitech	1	
BOLIVIA			Genco schedule at Bristol/ Florence	1	A J024	Brook Eigher grades from Red Lake	IA		Cyanamid's plant expansion Gaspe mine reopening		A J501
Comibol encouragement	IA	J005	Tache Lake results for Greenstone/Bitech	1	A J024	BIG success at Golden		J237	Rea Gold's silver projects Grantsville and		
Bolivian purchase for Golder Star	n IA		Augmitto financing for Beauchastel Johany Mountain	1	A J024	Patricia Queenston: Pandora and Anoki	IA		Magino mine opening	H	
Credit for Bolivar Bolivian update	IA	J077	commissioning Maintenance problems at	1	A J025	Noranda farms out Joburke mine	IA		Salar man obening		
Bolivian mining in 1987 Bolivian option for Battle	MA		Trail Syncrude expansion approva		A J025 A J026		IA		CHILE		
Mountain Bolivian gold for Pan	14		Byron Creek coal to Japan AL mobilization for Energe	T	A J026		IA	J257	Finnish backing for		
American Two results for Comibol	1/ H	J163 M084	Faro resumption Magino's first gold bar	1		Noramco shuts Golden Rose Government intervention at Gibraltar Mines	IA		Escondida Outokumpu's agreement	N	W J038
Laurani drilling Huanuni problems for Comibo	1 1/	J200 J203	Northgate looks to the wes Rambler gold venture		W J057	Quick money McFinley Red Lake go-ahead	H	M159	Lobo results for Cominco Chile: record trade surplu	s I	A J062
Candelaria work for Golden Star	1/		Canamax buys out Bell Cree partner	- lt	A J061	Promising results from	B	M159	Escondida official go-ahea Chile boycott threat	М	W J075
					2001	Dun 100	65	-100	Copper cost comparisons	-	W J097

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New proposal for Cerro Colorado	IA	J100	DJIBOUTI				IΛ	J238	Indian imports of coking coal set to rise	H	M465
LAC hikes El Toqui output	IA	J101 J102	IDB loan to Djibouti	IA	J060		IA IA	J297 J320	Nalco alumina usit start up World Bank loan for CIL	H	N465 N465
Cocar update More pressure on Outokumpu	MM	J178				Ghana's rehabilitation			DOLLA DEUR TORD TOT CID	**	M-000
Apolinario progress for LAC	IA	J200	DOMINICAN REPUBLIC				IA	M252 J356	INDONESIA		
Bellavista/Ivan consolidation	IA	J256	Gold jv in Dominican			Ghana gears up	26	J485	Indonesia's other coal		
Green light for Escondida, Chile copper project	P	W150	Republic Pueblo Viejo - a subaqueous	H	M017	Teberebie on tap	11	M463	province		J039
Cu/Zn discovery in Chile	H	M162	epithermal gold deposit	P	M155	GREECE			Grasberg reserve estimate Gold partnership in	IA	J040
Escondida contract award Democratic precedents?	IA	J297 J325	Investors sought for Dominican Republic	IA	J299	GHEEGE			Indonesia	IA	J060
Lobo update	IA	J356	Dominican developments	WW	J315		IA	J102	Sumatran coal exploration project completed	н	M013
Marte construction on budget LAC site visit	IA	J358 J374				Peat proposal in Greece	IA	J201	Diamond project go-ahead Epithermal gold and its	H	M013
Chile's energy	N	J402	ECUADOR			GREENLAND			Epithermal gold and its relation to subduction	MW	J099
Chile's copper shipments lag	IA	J438	BGS: Indonesia and Ecuador	TA	J123	GHEENLAND			BGS: Indonesia and Ecuador	IA	J123
Copper tubes venture for Chile/China	IA	J438		2.00	0.400	Platinova results in			Indonesian diamonds Private coal boost for	IA	J161
Nitrate venture in Chile	IA	J456	EGYPT			Greenland	IA	J336	Indonesia	MW	J198
El Toqui's plans Contretemps at Andina and at	IA	J457	Egyptian results for Minex	TA	1220	GUATEMALA			Gold search in Irian Jaya	MA	J199
Chuquicamata	IA	J457	Minex finds Egyptian gold	H	M324	GOATEMALA			Grasberg drilling expands reserves	IA	J256
La Coipa agreement Codelco's expansion	IA	J481 J498	Sulphur, coal deposits in North Sinai	TA	J437	UNRFNRE project underway	H	M252	Mt Muro tonnage for Jason/ Duval	IA	J276
Ivan copper progress for			Egyptian uranium studies	IA	J456	CHINEA			Asahan impasse	MW	J294
Rayrock Shell/Chevron eye Quebrada	IA	J500				GUINEA			CRA advances Kelian project	IA	J296 J317
Blanca	XA	J500	EIRE			IFC funding for Guinea gold			Camino on Java Indonesia allows second	IA	
La Coipa, Chile	H	W461	Tara climbs the hill	MW	J058	mine	IA	J041	cargo	IA	J320
CHINA			Not so thick	H	M015	Siguiri Koron: Guinean gold	IA	J122	Indonesian aluminium An Indonesian development	IA	J337 J424
CHINA			Prospects for gold in the Emerald Isle	N	J104	Aughinish adapts	MM	J179	Grasberg reserve could		waaa
Chinese coal	MM	J022	Irish gold	H	M083	Moroccan help for Guinea Guinea's untapped potential	IA	J359 J383	double Asahan optimism	H	M323 J455
China restricts gold mining Inner Mongolia mirabilite	IA	J026 J040	Aughinish adapts More Irish gold	H	J179 W161	Sysmin loan for Guinean			Indonesian coal boost	MW	J479
Chinese fertilizer plan	IA	J041	Aughinish Alumina plans to			Alumina	IA	J461	Asahan accord Java preliminaries	H	J483 M465
Davy McKee in Chinese mill Antaibao coal pricing	IA	J041 J042	expand Mayo gold progress	PIA	M247 J396	GUYANA			JV to produce aluminium in		
China's aluminium plans	IA	J062	Test sampling programme in			GUTANA			Indonesia	H	M465
Aluminium - key resource in	н	MO13	Irish peat bogs	M	J440	Guyana venture for Homestake	IA	J060	IRAN		
Shanxi Taiwan drops Chinese ban	IA	J102	Ireland's enhanced potential	MM	J478	Brazil: Guyana debt	IA	J259	INAN		
Kaolin deposit in Jiangsu			EL SALVADOR			rescheduling Alumina resumption for			Gulf hopes	MW	J057
Province Chinese probe	IA	J120 J158				Guvana?	IA	J298	Iranian mines KIOCL and Iran renew talks	N	J083
Shanxi Province - China's			UNRENRE project underway	H	M252	Guyana's gold allure Guyanese bauxite to	N	J304	Iranian concentrates to	IA	J239
"Land of Coal" 1,000 billion tonnes -	P	M081	Copper boost for El Salvador	IA	J398	Venezuela	IA	J457	North Korea	S	J327
terafying	H	M085	ETHIOPIA			Omai reserve update	IA	J480	Iranian delegation to Hungary	IA	J459
Chinese coal shortages SAFT in China	IA	J183 J247	ETHIOPIA			***			Iranian overview	IA	J501
An increasing participation	MM	J254	Ethiopian tantalum deposit	IA	J140	HAITI			Uranium exports for Iran	IA	J502
Chinese processing shortages	EA	J259	FINI AND			UNDP progress in Haiti	IA	J317	IRAQ		
Update on coal industry in the P.R.C.	P	M153	FINLAND								
China's largest diamond	H	M161	Finnish backing for			HONDURAS			Gulf hopes	MA	J057
Large rare earth find Going for gold	н	M161 M161	Escondida	IA	J025				100.00		
Shaanzi to double gold	н		Chile boycott threat Outokumpu threat remains	MW	J075 J098	Honduras boost for Milner/ Madeleine	IA	J102	ISRAEL		
output Sino-Saindak accord	MA	M161 J273	Outokumpu threat remains Finland's boycott	MW	J158	El Mochito refurbished	H	M084	Israel strikes gold	IA	J140
China's coal default	HW	J274	Nokia copper deal Lapland gold for Outokumpu	IA	J159 J160	El Mochito output up	IA	J222 J336	Promising land	H	M083
Chinese front line Rare earths plant	MA	J294 J294	More pressure on Outokumpu	MM	J178	Honduran work justified UNRFNRE project underway	H	M252			
Coal probe under Chinese			Finland/U.S.S.R. in Kola venture	IA	J221				ITALY		
China and GATT	IA	J296 J307	Finland postpones boycott	MM	J235	HUNGARY			Italian investment in		
A Chinese show	MW	J335	Outokumpu presentation	MW	J395				Australian coal	P	M315
Kaolin in coal Remote sensing in China	H	M254 J416	New Swedish and Finnish gold	**	J455	Perestroika for Hungary's coal	IA	J042			
Chinese eye Philippine			FRANCE			Scandium production in			IVORY COAST		
copper Two new mines seek foreign	IA	J420	PRANCE			Hungary Coalled comfort	IA	J101 M083	Ivory Coast policy	TA	J005
investment	H	<b>M323</b>	Chessy boost	MW	J059	An increasing participation	MW	J254	area, come portey		0000
Copper tubes venture for			French tailings for Clogau Pechiney: French aluminium	IA	J101	Hungarian-Austrian joint venture	IA	J277	JAMAICA		
Chile/China Nickel find in China	AI	J438 J500	plans	IA	J237	Hungarian aluminium: first					
Shangdong diamonds	IA	J502	French aid for Madagascar Chessy progress	IA	J299 J317	half Hungary restructures iron	IA	J321	Jamaica mapped out Jamaican bauxite progress	MA	J022 J022
Chinese export ban Non-metallic minerals	S	J510	Pechiney's foray	MW	J413	and steel industry	IA	J420	New geochemical survey of		
trading co. for China	H	M465	Clogau/BRGM in deal Open pit talc mining in the	H	M321	Hungary cuts state subsidies	IA	J439	Jamaica Alcan's Jamaican resumption	PIA	M079 J182
			Open pit taic mining in the French Pyrenees	A	M488	Iranian delegation to Hungary	IA	J459	Jamaican storm blows over	MW	J218
COLOMBIA						Recsk copper quandary	IA	J482	Jamaican bauxite survives	IA	J238 J314
Colombia's Precambrian gold	NW	J003	GABON			Hungarian coal fire Hungary restructures steel	IA	J482	Jamaica: storm report Jamaican/Mexican accord	H	M252
Colombian investment seminar	RA	J003	Gabonese port			industry	IA	J483	Change of partners for	2.4	1270
Payan results for Greenstone /Anchor	IA	J005	Gabonese port nearing completion	IA	J237				Alpart?	IA	J379
Colombian gold accidents Drummond's Colombian plans	IA	J042 J161	First cargo to Owendo	IA	J481	ICELAND			IADAN		
Colombian government	0.00	3401	CERMANY (FACT)			Icelandic smelting venture	IA	J277	JAPAN		
investigates Precambrian gold			GERMANY (EAST)						Oman copper involvement for		
deposits	p	M077	New lignite mine in G.D.R.	IA		INDIA			Japan A question of price	IA	J005 J065
Colombian involvement for Western International	IA	J376	East German lignite	H	M463	Indian iron ore to Romania	IA	J026	Japanese gold purchases	IA	J102
Not news	H	M323	CERMANY (MECT)			India's copper plans BRGM signs Indian contract	IA	J026 J060	Japan's South African trade Property values	MW	J117 J127
Antioquia under attack	IA	J438	GERMANY (WEST)			An Indian target	N	J064	Japanese trade	S	J128
COSTA BICA			F.R.G. funds for Tanzanian			Increased Indian iron ore exports	IA	J102	Japanese coal cuts LME expands warehouse	IA	J203
COSTA RICA			gold Hard times in Germany	IA	J005 J058	Lignite-based sponge iron in			network	8	J247
Bellavista/Ivan			Rammelsberg	A	M018	India Coal India gets tough	IA	J121 J122	Japanese imports	S	J346
consolidation	IA	J256	Gallium plant for West Germany	IA	J276	Gallium plant commissioned	IA	J161	Japanese to phase out RSA urunium	MM	J355
Rio Chiquito	A	M466	Bergbau 89 - met for success	P	M249	Indian alumina hike	IA	J238	Japanese approval for seabed	1	
CUBA			TBM at Lohberg Albania/F.R.G. co-operation	MW	J374	KIOCL and Iran renew talks An increasing participation	IA	J239 J254	mining Gold find for Sumitomo	IA	J359 J480
			C. Deilmann AG - 100 years	IA		Drilling equipment for India	IA	J278	Asahan accord	IA	J483
				P	M459	Coking coal for SAIL Tungsten in Uttar Pradesh	IA	J278 J296	Australian uranium for Japan Japanese mission to	IA	J502
New Cuban nickel plant	14	J122	serving mining			Borrow on whites Francish	IA				J503
New Cuban sickel plant Stainless steel plant for			serving mining Roadheaders in the Ruhr	A	M472	Indian gold purchase		J321	Yugoslavia	IA	0000
New Cuban mickel plant Stainless steel plant for Cuba Cuban zeolite to increase	IA IA IA	J161 J298	serving mining Roudheaders in the Ruhr	A	M472	Coal reserves	IA	J321	Yugoslavia	IA	0000
New Cuban nickel plant Stainless steel plant for Cuba Cuban zeolite to increase Cuban stainless steel	14	J161 J298 M252	serving mining	A	M472	Coal reserves Indian reserves Major developments in Orissa	IA IA	J321 J336 M253	JORDAN	IA	0000
New Cuban mickel plant Stainless steel plant for Cuba Cuban zeolite to increase	IA IA H	J161 J298	serving mining Roudheaders in the Ruhr GHANA			Coal reserves Indian reserves Major developments in Orissa Indian coal survey	IA H IA	J321 J336 M253 J397	JORDAN		
New Cuban sickel plant Stainless steel plant for Cuba Cuban zeolite to increase Cuban stainless steel Cuban nickel	IA IA H	J161 J298 M252 J433	grand mining Roadheaders in the Ruhr GHANA Gold centres for Ghana Encouraging results for	н	MO14	Coal reserves Indian reserves Major developments in Orissa Indian coal survey Indian production targets Gandhamardan problems for	IA H IA MW	J321 J336 M253 J397 J434	JORDAN Jordan: phosphate contracts	IA	J024
Hee Cuban sickel plant Stainless steel plant for Cuban zeolite to increase Cuban stainless steel Cuban sickel Cuban reorganization	IA IA H	J161 J298 M252 J433	GHANA Gold centres for Ghana Encouraging results for Sikaman			Coal reserves Indian reserves Major developments in Orissa Indian coal survey Indian production targets Gandhamardan problems for Balco	IA H IA	J321 J336 M253 J397 J434	JORDAN		J024
New Cuban sickel plant Stainless steel plant for Cuba Cuban zeolite to increase Cuban stainless steel Cuban nickel	IA IA H	J161 J298 M252 J433	merving mining Roadheaders in the Ruhr  GHANA  Gold contres for Ghana Encouraging results for U.H. funding for Ghana project	н	MO14	Coal reserves Indian reserves Major developments in Orissa Indian coal aurvey Indian production targets Gandhamardan problems for Balco Rampura-Agucha foundation stone	IA H IA MW IA	J321 J336 M253 J397 J434 J481	JORDAN Jordan: phosphate contracts	IA	J024
Hee Cuban sickel plant Stainless steel plant for Cuban zeolite to increase Cuban stainless steel Cuban sickel Cuban reorganization	IA IA MW IA	J161 J298 M252 J433	Roadheaders in the Ruhr  GHANA  Gold centres for Ghana Encouraging results for Sikaman U.M. Funding for Ghana	Н	MO14 MO14	Coal reserves Indian reserves Major developments in Orissa Indian coal survey Indian production targets Gandhamardan problems for Balco Rampura-Agucha foundation	IA H IA MW IA	J321 J336 M253 J397 J434 J481	JORDAN Jordan: phosphate contracts Jordan/Brazil barter KENYA	IA	J024 J163
New Cuban sickel plant Stainless steel plant for Cuban Cuban zeolite to increase Cuban stainless steel Cuban sickel Cuban reorganization	IA IA MW IA	J161 J298 M252 J433 J483	Roadheaders in the Ruhr  GHANA  Gold centres for Ghana Encouraging results for Sikaman U.M. funding for Ghana project Gold exploration in Ghana:	H H	M014 M014 J100	Coal reserves Indian reserves Major developments in Orissa Indian coal survey Indian production targets Gandhamardan problems for Balco Rampura-Agucha foundation stone Recovery for India's Western	IA H IA MW IA	J321 J336 M253 J397 J434 J481	JORDAN Jordan: phosphate contracts Jordan/Brazil barter	IA	J024

KOREA (NORTH)			NORWAY			Philippines develop marble		Maac	R.S.A. mine blamed for		
Wagnesite mines in North			Norwegian grant to Zimbabwe		J299	U.N. search for chromite in		M323	South African cut and thrust	NW	J439 J454
Korea Burkina Faso/Korean pact	IA IA	J297 J299		IA	J320	Cultus Gold to spend further \$A1 million in		J437		MW	J478
Albanian-North Korean trade	IA	J321 J339	OMAN			Philippines	H	N464	SPAIN		
protocor	14	0339	Oman copper involvement for Japan	IA	J005	POLAND			Spanish gold	H	J119 M161
KOREA (SOUTH)			BRGM in Oman	IA	J436	Poland to survey mining		Tuen	Expomineria 88	М	J295 J341
Posco's port problems	IA	J438	PACIFIC ISLANDS			Polish coal strike	IA MW IA	J008 J139 J161	Spanish ayes	MA	J435
MADAGASCAR			Tahiti phosphates mooted	IA	J061	Polish inventory	H	M083 J276	SRI LANKA		
French aid for Madagascar	IA	J299	Paragon farms into Fiji venture	IA	J100		MW	J315 J319	Sri Lanka examines strip		
Madagascar/Canada ilmenite venture	Н	M463	Solomon Islands update Further work for Micromin	H	J140 M162	Polish coal for Albania Poland to close ferrochrome	IA	J339	Sri Lanka to develop mineral	IA	J008
MALAWI		4405	New Caledonian nickel New Caledonian chromite for Australmin	IA	J394 J480	plant Coal jv in Poland	H	J378 M321	sands Sapphire given go-ahead	H	M085 M085
Malawi's Northern Corridor	MW	J119 N324	PAKISTAN			PORTUGAL			SUDAN		
MALAYSIA		4004	Sino-Saindak accord Pakistani fertilizer plant	MW IA	J273 J277	Portuguese energy Portuguese mining	MM	J198	Financing for Sudanese venture	IA	J416
Avocet option in Malaysia	7.6	J100	Mineral activity in Pakistan		J502	concessions Portugal steps up oil and	IA	J200	SWAZILAND		
Dome expands Malaysian portfolio	IA	J120	PANAMA			mineral search Portuguese tin-tungsten		J234	Swazi ferro-chrome plant	IA	J060
Malaysian tin output Rise in Malaysian tin	IA	J183 J339	Stryker increases Panama			Survey Commissioning of Neves Corvo		J319	PIMEDEN		
Malaysian project for Asarco		J376	project Panama approves gold project	IA	J024 J357	has begun Neves Corvo inauguration	IA	J334 J457	SWEDEN		
MALI			Gold project in Panama	H	M461	Neves Corvo expansion	MM	J477	Swedish team for Argentina End of an era	IA	J060 J227
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			P.N.G. state firm City finds partner for	IA	J006	Qatar signs smelter			Swedish shortlist New Swedish and Finnish gold	MA	J415 J455
MEXICO			Lakekamu Holdings P.N.G. activity for CRA	IA	J040 J076	meent randim	IA	J416	TAIWAN		
Mexican setback Los Pinos interest for Cream	MA	J002	Bougainville first half rise Porgera feasibility study		J077	ROMANIA			Taiwan drops Chinese ban	IA	J102
Silver Avino improvement	IA	J040 J298	submitted to PNG government	P	M076	New coal for Romania Indian iron ore to Romania	IA	J026 J026	Taiwan trade Taiwan abandons bullion	MW	J274 J355
Mexico privatizes copper minus Jamaican/Mexican accord	MF H	J330 M252	PNG to double output Ok Tedi strike loss Porgera decision imminent	H MW IA	M087 J177 J221	Romanian equipment for Hancock		J481	TANZANIA		
Auctioned mines Los Pinos silver update	MW	J375 J377	More problems at Ok Tedi Ok Tedi targets 70,000 t/d	MW	J253	RWANDA			F.R.G. funds for Tanzanian		
MONGOLIA			production level Ok Tedi reopens	PIA	M150 J277	Rwanda - 20 mines reopen -			gold Tanzania's Liganga project	IA	J005 J040
New tungsten mine in			P.N.G. agreement for City/ Inco	IA	J356	maybe	H	M087	Diamond reserves in Tanzanian mine Tanzania rolling stock	IA	J238 J335
Mongolia Mongolian-Polish agreement	IA AI	J277 J319	City Resources farms out New Britain claims Violence at Bougainville	IA	J416 J438	SAUDI ARABIA			Tanzania inaugurates first coal mine	EW	J483
MOROCCO			Bougainville shutdown Crusher for Ok Tedi Lost output at Bougainville	IA IA	J453 J482 J482	Aluminium plant in Saudi? Canadian/Saudi talks	IA	J041 J459	THAILAND		
Lead-zinc on the road to	IA	J181	Highlands Gold interest in P.N.G.	IA	J500	SENEGAL			Soft loan for Thai Tantalum	IA	J077
Marrakesh Moroccan phosphate exports Moroccan help for Guinea	IA	J278 J359	PNG monopoly fears over BP sale	MF	J515	Senegal titanium for Du Pont	MM	J177	Thai rise in zinc ingots Thailand exports increase Thai gold	IA IA WW	J143 J163 J415
			PERU			SIERRA LEONE			Thailand's gems to Hong Kong	IA	J461
MOZAMBIQUE Mozambican coal	н	M252	Attack Minas de Arcata	IA	J008	Dicor closure	IA	J026	TRANSKEI		
NAMIBIA		H402	Peruvian strike Hierro Peru strike Lower Peruvian output	IA IA	J057 J062 J062	Sierra Leone kimberlite plans	IA	J141	New Transkei coal mine Transkei beavy minerals	IA	J221 W162
	MW	J097	Peru's new silver stance Peruvian government mines	MW	J073	SOUTH AFRICA			THREEV		
Hopes of peace in Namibia The Namibian question Prospects for Peace	N N	J146 J147	Inco gold Peru strike settlement	M.M. H	M017 J137	Randfontein rationalization	MW	J001	TURKEY	**	J339
UN playing politics Namibian mine flood	MW	J159 J379	LME shrugs off Peru strike settlement	8	J148	Marketing discontinued S.A. labour pact	M.M.	J003 J021	Soviet-Turkish co-operation Turkish mineral exports Turkish investments	IA IA	J339 J399 J501
			Peruvian miners' strike spreads	S	J106	A South African swap	MM	J038 J059	Turkish investments	14	3301
Releasing the brake	I A N	J403	and the same of th			RSA regulations	MW		UGANDA		
Releasing the brake A Namibian contract Namibian venture	N	J434 J478	Minpeco takes precautions Peru strike threat	SIA	J188 J278	RSA regulations South African gold output Japan's South African trade	IA NW	J078 J117	Uganda seeks industrial minerals		
Releasing the brake A Namibian contract	N	J434	Minpeco takes precautions Peru strike threat Peru: drop in output Peruvian strike	S	J188	South African gold output Japan's South African trade De Beers doubles first half profits	I A	J078 J117 J137	Kilembe to be rehabilitated	IA	J040
Releasing the brake A Namibian contract Namibian venture  NEW ZEALAND  New Zealand activity for Aur	N MW MW	J434 J478 J041	Minpeco takes precautions Peru strike threat Peru: drop in output Peruvian strike Bayovar phosphorite involvement	S IA IA NW	J188 J278 J299 J313	South African gold output Japan's South African trade De Beers doubles first half profits R.S.A. equity risk South African half year gold	IA MW MW MW	J078 J117 J137 J138 J143	Ugandan exploration	H	1087
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Releasing the brake A Namibian contract Namibian venture  NEW ZEALAND  New Zealand New Zealand NE power station plans for Rimu success for Lam NE power station plans for Proposals for Macraes Flat Promising results from Ottal Rimu gold in production Golden Shamrock joins CRA in R.Z. Macraes Flat go-ahead CRA plans coni-fired power New Zealand Blackwater to reopen  NICARAGUA  Nicaragua/Neptune sign arbitration ruling  NIGER  NIGERIA  Uranium find in Nigeria	N MW MW IA IA IA H H IA H	J434 J478  J041 J123 J221 J237 M162 J356 M321 J482 M464  J461	Minpeco takes precautions Peru strike threat Peru: drop is output Perwi drop is output Perwi drop is output Hayovar prosphorite Hayovar prosphorite Hayovar prosphorite Hunt settlement Peru strike goes on Peruvian predicamendens Peruvian impasse Peru in turmoil Peruvian deja vu	IA IA IA IA IA	J188 J278 J299 J313 J319 J319 J340 J344 J353 J446 J477  J041 J042 J100 J101 J101 J101 J118 J221 J228 J257 J356 J357 J356	South African gold output Japan's South African trade De Beers doubles first half R.S.A. equity risk South African half year gold The Namibian question Prospects for Peace Marievale atops up Ferro-chrome boost for Samancor Lefko rescue operation Genoor takes over Torbanite project Rhombbard on base mention Deckiral rockburst Coalbrook put on hold Iscor's rail link Toroversy RSA a special shares RSA controversy RSA a special shares RSA controversy RSA a special shares RSA controversy RSA a reduces fatal Tockburst Lectra show R.S.A. reduces fatal Joel acidents South African mise accidents Karee work proceeding Impala news Japanese to phase out RSA HERMANIAN HE	MW MW IA IA	J078 J117 J118 J143 J146 J146 J147 J180 J182 J197 J200 J201 J202 J203 J218 J203 J218 J203 J218 J203 J218 J203 J218 J203 J218 J203 J203 J203 J203 J203 J203 J203 J203	U.K.  Sent to Coventry British Coal's restructuring Taylor Woodrow breaks U.K. record U.K.'s coal countdown Merseyside plant for British Alcan Alcan Alcan Alcan Alcan Caphouse - Yorkshire's new mining museum Opencast coal mining in British British Dencast sites Emerald Isle Meekathara undeterred Award for British Coal's seismic eye Citizen's Band radio for underground Welbeck: British Coal investment Ennex: U.K. and Australia British Coal's sick British Coal's sick British Coal's sick British Coal's for	H H H IA IA IA E P A A A IA	M087 M252 J013 J037 J062 J077 M003 M006 M009 M044 J158 J163 M110 J203 J224 J224
Releasing the brake A Namibian contract Namibian venture  NEW ZEALAND  New Zealand activity for Aur Rimu success for LAM NX poesses Rimu gold in production Golden Dhamrock Joins CRA in Macraes Flat go-ahead CRA plans coal-fired power station New Zealand Blackwater to reopen  NICARAGUA  Nicaragua/Neptune sign arbitration ruling  NIGER  NIGER Niger: phosphate search	MW MW IA IA IA H H IA H	J434 J478  J041 J123 J221 J237 W102 J356 W321 J482 W464  J461 J121  J120 M161	Minpeco takes precautions Peru strike threat Peru: drop is output Peruvian atrike Bayovian atrike Bayovian atrike Bayovian atrike Bayovian atrike Bayovian atrike Peruvian predicament Peruvian predicament Peruvian impasse Peruvian impasse Peruvian deja vu  PHILIPPINES  Far South East agreement for Peruvian deja vu  PHILIPPINES  Far South East agreement for Peruvian deja vu  PHILIPPINES  Far South East agreement for Philippines wenture Chilippines wenture Lepanto seeks loan Philippines grout Manila Mining expansion Snippets from the Philippines: bestonite discovery more funds for Philippines Philippines: bestonite discovery more funds for Philippines  Prilippines pro for Chilippines pro for Chilippines pro for Philippines pro for Philippines pro for for Chilippines pro for for for the prilippines pro funds for Philippines pro funds for Philippines	S IA MW IA IA IA IA IA IA IA	J188 J278 J299 J313 J319 J3319 J334 J344 J344 J443 J447  J443 J447  J441 J442 J100 J101 J101 J101 J101 J101 J101 J10	South African gold output Japan's South African trade De Beers doubles first half R.S.A. equity risk South African half year gold The Namibian question Prospects for Peace Marievale steps up prospecting Porro-chrome boost for Lefko rescue operation Gencor takes over Torbanite project Rhombus accent on base metals Deckrackes over Torbanite color and success over Torbanite project Rhombus accent on base metals Deckrackes over Torbanite project Rhombus accent on base metals Deckrackes over Torbanite project Rhombus accent on base metals Deckrackes over Torbanite project Rhombus accent on base metals Deckrackes over Torbanite project Rhombus accent on base Controversy RSA's special shares R.S.A. gold holdings fall Work begins at Poticiterarust Electra show R.S.A. gold holdings fall Work begins at Poticiterarust Electra show R.S. accidents Joel mine setback South African mine accidents Area work proceeding Impala news Japanese to phase out RSA pressituath Wits on the Mitwatersrand Ranfontein worker shot	MW MW IA IA	J078 J117 J137 J138 J143 J146 J147 J180 J182 J197 J201 J202 J203 J218 J218 J218 J274 J274 J277 J277 J337 J337 J337 J355 J376	U.K.  Sent to Coventry British Coal's restructuring Taylor Woodrow breaks U.K.  L.K. reconcountdown Merseyride plant for British And Too many measures? Mining to recommence at Parys Mountain, Wales Caphoning museumer's new Mining to recommence at Parys Mountain, Wales Caphoning museumer's new Mining to recommence at Parys Mountain, Wales Caphonic State Parys Mountain, Wales Caphonic State British Large U.K. opencast sites Prospects for gold in the Meckatharra undeterred Award for British Coal's seismic eye Citizen's Band radio for underground Welbeck: British Coal investment Ennex: U.K. and Australia	H H N MW IA MW IA A IA IA IA	M087 M252 J013 J037 J062 J074 M003 M006 M044 M051 J163 M11( J203 J22( J222)

	H	M161	Magma beats the deadline Nevada Goldfields pushes	NW	J139	Republic Crescent Valley	IA	J356	Lithuanian radioactive	7.4	J502
British Coal privatisation Camborne's hot rocks to	10W	J293	Empire project	IA	J141	encouragement	IA	J357	dumping	IA	3302
continue	IA	J320	Fast track for Red Dog	IA	J142	Loan for Viceroy's Castle		J358			
Carson diversifies Coss Gold bid referred	IA	J321 J333	EPA approval for Suabeam	IA	J142	Wountain U.S. mining - a decade of	IA	1328	VENEZUELA		
EDW Etd.	HW	J334	Uranium: Chevron/Total	IA	J143	decline	N	J362			
Parys Mountain shaft Major contract for Crouch	IA	J337	Everest and Uranium	AZ	J143		MA	J374 J375			J062
Minorco's Charter	MW	J373	Asarco's interim	MW	J157	Gexa/USPM in Mother Lode	-		Alcasa under probe Venezuela: pressure for	IA	J079
Dowty out of mining	MM	J393	Silver verdict Helvetia Cu purchase	IA	J157 J160	venture Commissioning at Ridgeway	IA	J377	aluminium loans	IA	J202
Cononish reserves doubled New find for Ennex	IA	J416	Canyon: Tennessee Pass	IN	2100	mins	IA	J377		MM	J233 J274
Major investment at Welbeck	H	M323	venture with Inco	IA	J160	Presidential concern	N	J385		IA	J297
U.K. coal	HW	J435	Robinson Dyke jy with Golden	IA	J160		IA	J396	Golden future for Venezuela	H	M252
BP to shed minerals division?	WW	1477	Alaskan drilling for Golden			Centurion looks at Scotia/			Venezuelan view Guyanese bauxite to	MA	J354
A Scottish gold mine?	HW	J478	Zone	IA	J160	Benasas	IA	J397	Venezuela	IA	J457
Analysts predict	MM	J498	Santa Fe success for Corona Coeur d'Alene - 6 Moz in	IA	J161	Cactus hopes for Coca Mines Hirst-Chichagof	IA	J397	Promiven project in		J501
Scottish progress for Colby Potash cargo	IA	J500 J501	1988	H	M085	disappointment	IA	J416		IA	M461
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Bonks	H	M463	Newmont moving site U.S. gold growth	MA	J197 J199	BP Increased reserves at	IA	J417	VIETNAM		
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Winescape 88	A	M500	Noxon sale for Jascon/	IA	J200	Colden Zone results trickle			Vietnam	IA	J122
			Atlantic Homestake markets McLaughlin		J202	Drop is mise accidents	IA	J436	Vietnamese tin bars Vietnamese TiO <sub>2</sub>	IA	J202 J398
URUGUAY			Noranda acquires Cu/Ag			Beartrack boost	IA	J456	Victualization 1102	210	0380
			Gold Canyon claims for Cliff	IA	J220	Pegasus recognized	AI	J456			
Uruguay venture for Gold	IA	1956	Westland's Commonwealth			Richmond Hill start for BIG Big Springs cost overrun	IA	J457	YUGOSLAVIA		
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			Christie's fancy diamond auction	IA	J222	Golconda agreement for Alban /Golden Princess	IA	J480	Yugoslavian output	IA	J042
U.S.A.			Beartrack work successful	IA	J236	Buckhorn results for Crown/	in	3400	Yugoslavian gold strike Yugoslav mining industry	IA	J100
0.0.7			Wild Blue drilling for Feltrim	TA	J236	Gold Texas	IA	J480	Danube dredging	IA	J161
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Glamis: Cuervo and San	LA	3025	Jerritt Canyon expansion	H	M159				in Zaire Gecamines' future looks	MA	J219
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Hecla: official opening for Yellow Pine	IA	1026	Hall of fame	NW	J275						
Adelaide agreement for Grand		0080	Nerco venture in Oklahoma	IA	J276	First Soviet coal to Japan	IA	J042			
Teton/Getchell			Excelsior reserves for Steelhead	IA	J276	Robots tested in Siberian	IA	J061	ZAMBIA		
Doe Run mishap	IA		Discovery in North Winnesots	IA.	J276	Underground gasification at			EANIDIA .		
Asarco fire	IA	J041	Kinsley study for CRIL/USMX Ivanhoe progress	IA	J276	Maritime Kray	H	M015	ZCCM's exchange shortages	MM	J001
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Golden Reward construction contract	TA	J061	Reynolds/St. George venture			concentrates in the			ZCCM diversification Kansanshi reopening	H	J037
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for Levon	IA		In-Situ Technology	IA		enterprises Finland/U.S.S.R. in Kola	IA	J202			
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Nerco examines possible			More drilling on Golden Zon	e IA		Narodny joins LBWA	8	J246	ZIMBABWE		
project sales	IA		Champagne mine schedule Buffalo Gulch permit awaite	IA		Coal mise explosios in Soviet Georgia		J320			
Super conductors U.S. labour costs	S	J107 J117	Chimney Creek project,	. AM		U.S.S.R.: Maykuben on stream	IA	J320 J320	Cluff commissions Freda mine Zimbabwe's need for	IA	J006
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Silverado: Grant update R.S.A. equity risk	IA		partners Hecla interest in City of	1.4	J356	Norsk Hydro in Moscow Soviet coal success	IA		Africa Gold active in Zimbabwe	н	M463
	~					TITAL COMA SUCCES	4.06	0001	41monowe	B	m403

# **Methods and Machines**

De-silting Nchanga open	pit	A	M02
minerals		M	M05
Computerized monitoring dredge mining	01	A	M50
ANALYSIS			

ALLUVIAL MINING			Aztec gold analyser - a new			
ALEG TIME INTINE			approach to Au assaying	16	J103	
De-silting Nchanga open pit Flotation dredge for	A	M026	New portable X-ray analyser Accessory for sizing of	H	J125	
minerals	M	M059	small particles	M	<b>W131</b>	
Computerized monitoring of	-		Portable fluid analysis	M	J223	
dredge mining	A	M504	Computerised sieve analysis Large sample mixer for	M	J225	
			granular materials	M	M221	
ANALYSIS			Large-capacity spinning riffler for minerals			
			sampling	16	J343	
Large sample mixer for			New portable X-ray analyser	М	M296	
granular materials	10	J063	On-line analyser for cyanide	M	J400	

Addition to blast monitor and analysis range	M	J423
New consulting firm founded	M	M439
Test sampling programme in Irish peat bogs Computerized borehole probe	м	J440
determines rock properties in situ		J484

# **BLASTING & EXPLOSIVES** AMIRA's blasting project IA J142

Addition	to blast	monitor		
and	analysis	range	M	J423

# **COAL TECHNOLOGY**

Dosco and MAMC link up fo Indian coal mines	и	J185	ENERGY & POWER			Present and future trends in		M003	Gibraltar settles wage dispute	IA	J439
Developments in longwall coal mining	A	M175		PPI	LIES	USBM: fire protection	A IA	M032 J123	Reynolds/Alcoa in union pact Strike halts Pechiney		J457
Criteria for selecting a boom-type roadheader	A	W183	Indigenous energy for Bangladesh	IA	J078	Venezuelan gold	IA IA	J123 J163	shipments Safety first	N	J459 J465
Radio control for Anderso Strathclyde shearers	18	J343	Improved range of diesels from Scania	IA	J204	Mine safety Small mines definition Southern African minerals	MM	J222 J254	Peruvian dėja vu Reynolds/Alcoa ratification	IA	J477 J483
Surface miner boosts coal output	M	M292	South Africa's by-product energy	N'	J208	debate	IA	J259	LEACHING		
Mobile coal washing plant for small operations	H	J380	Camborne's hot rocks to continue	IA	J320	Minerals and the environment	IA IA	J259 J259			
International mining consultancy group	M	M440	Development of coal-fuelled diesel engine for locos	н	J322	Hall of fame	MA MA	J274 J275	Improved sprinkler for dump and heap leaching Heap leaching in north	M	J103
Roadheaders is the Ruhr German Creek mine	A	M472 M474	Chile's energy Trans Atlantic energy	MW.	J402 J479	Titanium properties	IA IA	J278 J299	Ontario	Á	M094
Monitoring the atmosphere underground mines	in A	M483	ENVIRONMENTAL COM		201	Selenium-Tellurium	IA	J335 J340	Improved sprinkler for dump/ heap leaching		M222
Pumping coal into PFBC furnaces	16	M516		417	IOL	Mineral processing Expomineria 88	IA	J340 J341	Rio Chiquito	A	N466
COMMUNICALA			Sri Lanka examines strip mining	IA	J008	Bergbau 89 - set for success Austrian tunnelling methods	PA	M249 M281	MAINTENANCE &		
COMMINUTION &	REEN	III	Poison rivers Magma beats the deadline	N MW	J105 J139	A Western show Economic guidelines	IA	J354 J359	LUBRIC	ATI	-
	MEER	ING	EPA approval for Sunbeam mine	IA	J142	Grinding: autogenous or not	IA	J359 J359	Large tyre handling crame New guide rope lubricator	H	J225
Plant for photometric sorting of limestone		J010	Study on heat/ventilation problems in deep mines	M	J164	Shaft drilling meeting CIM: mineral economics	IA	J379 J399	has mining applications Wine guide rope lubricator	H	J243 M441
Innovative rock breaker Advanced mobile in-pit	н	N127	Space-age technology in ventilation fan design	M	J165	Gold/silver conference Finding gold	IA	J399 J399	Preventive maintenance system for mining		
New grinding plant for	M	J241	Air flow sensor for underground mines	м	W131	Gold show change Small scale mining: how	MM	J415	vehicles	M	J440
Falun, Sweden High capacity crushing pl	ant	N217	New telemetry scanner for environmental			small is small? Mining in LDCs - education	P	M315	MATERIALS HANDLIN	IG	
in U.S.A. Photometric sorting of	16	J300	monitoring Vancouver Island ban	MIA	J185 J203	and maps Bochum: International Mining	P	M316	'Maglev' gets off the ground		
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			Underground toilet facilities flushed with			Lead & zinc Remote sensing	IA	J503 J503	Tanks for fuel/E2O in remote	M	W126
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Huwood control systems Computer file	- 1	M130 M133	Asarco: waste management Norsk Hydro: pollution curb	IA	J320 J320	Mining history seminar Minescape 88	P	M460 M500	Conveyor belt joint identification system	M	M293
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evaluation Computer file	A	₩199 ₩208	Space-age design mine	M	M293	Wineral exploration using	м	1009	mine, U.K. Largest magnet at Bingham	M	M514
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dredge mining Computer file	A	M504 M509	Landscaping techniques and restoration	A	M492	<ul> <li>a promising exploration tool</li> </ul>	A	N274	Medium Arequency radio	A	M110
Colour plotter for geological maps	м	M515	Minescape 88	A	M500	Remote sensing in China U.S.S.R.'s Poligon programme	IA	J416 J437	transceiver	M	W128
Reorogress make		moro							A STATE OF THE PARTY OF THE PAR		
			EQUIPMENT SUPPLIE	RS		Frozen assets Ghana gears up	N	J442 J485	MINE HOISTING		
DRILLING			Some manufacturers of	RS		Ghana gears up Mineral activity in Pakistan	Ж	J485	MINE HOISTING World's most modern mine		
	n		Some manufacturers of hydrocyclones Expomineria 88	RS	M106 J341	Ghana gears up Mineral activity in Pakistan	Ж	J485	World's most modern mine winder in W. Germany Hoist drum rebuilt in Canadi	M	N057 N130
Multi-purpose exploratio drill rigs from Australia	n M	J009	Some manufacturers of hydrocyclones Expomineria 88 Machines for boring raises	A M		Ghana gears up Mineral activity in Pakistan FILTRATION	Ж	J485 J502	World's most modern mine winder in W. Germany Hoist drum rebuilt in Canada Single drum hoist for undersea coal mine	H	M130 J261
Multi-purpose exploration drill rigs from Australia Drills and shovels for	M		Some manufacturers of hydrocyclones Expomineria 88 Machines for boring raises Australian mining equipment and services	A	J341	Ghana gears up Mineral activity in Pakistan	N IA	J485	World's most modern mine winder in W. Germany Hoist drum rebuilt in Canada Single drum hoist for undersea coal mine Mine guide rope lubricator		M130
Multi-purpose exploratio drill rigs from Australia	M ect M	J044	Some manufacturers of hydrocyclones Expomineria 88 Machines for boring raises Australian mining equipment and services Soviet exports for the minerals industry in	A M A	J341 M265 W405	Ghana gears up Mineral activity in Pakistan FILTRATION	N IA	J485 J502	World's most modern mine winder in W. Germany Hoist drum rebuilt in Canada Single drum hoist for undersea coal mine	H	M130 J261
Multi-purpose exploration drill rigs from Australia Drills and shovels for Chilean copper proj Reverse circulation bugs drill Drill hole orientation.	ect M	J044 M059	Some manufacturers of bydrocyclones Exponineria 88 Machines for boring raises Australian mining equipment and services Soviet seports for the substitution of the services of	A M A A M A	J341 M265	Ghana gears up Mineral activity in Pakistan FILTRATION New family of desanders GEOLOGY An integrated approach to	N IA	J485 J502	World's most modern mine winder in W. Germany Hoist drum rebuilt in Canadi Single drum boist for undersea coal mine Mine guide rope lubricator Mine boists for undersea	H	J261 H441
Multi-purpose exploration drill rigs from Australia In the Australia In the Interest of the Interest of the Interest of the Interest of In	ect M y N	J044	Some manufacturers of bydrocyclones Exponineria 88 Machines for boring raises Australian mining equipment and services Soviet exports for the screen industry in U.S. Boadheaders in the Rubr German Creek mine Monitoring the atmosphere is	A M A A A A B	J341 M265 M405 J484 M472 M476	Ghana gears up Mineral activity in Pakistar FILTRATION New family of desanders GEOLOGY An integrated approach to geomatifatical evaluation	N IA	J485 J502 J423	World's most modern mine winder in W. Germany Hoist drum rebuilt in Canad Single drum hoist for undersea coal mine Mine puide rope lubricator Mine hoists for undersea coal mine MINE LIGHTING	H	J261 H441
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Nulti-purpose exploration drill rigs from Australia Drills and shovels for Chilean copper projected from the control of the co	ect M y N id lls M	J044 M059 M125 M128 M130	Some manufacturers of hydrocyclones Exposineric 88 miles and the second	A M A A A A A A	J341 M265 M405 J484 M472 M476 M483 M500	Ghana gears up Mineral activity in Pakistan FILTRATION New family of desanders GEOLOGY An integrated approach to geostatistical evaluation Indian reserves	N IA	J485 J502 J423	World's most modern mise winder is a commany Bould's moderney Bould's mode	M	M130 J261 M441 M517
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UN playing politics Chromium supply and demand Ferrochrome dilemma	HW	J159 J166 J167	World statistics Welt-Bergbaukarte/World	MA	J395	TAVATION & TABIFFO					ING
Final decision in Brasilia Argentina's potential	NA NA	J177 J178	Mining Map Industry sector: conveyors,	R	M423	TAXATION & TARIFFS Australia firm on Gold Tax		1970	New electric shearer		
All change for the NICs Ructions in Hangoon	N	J186 J187	elevators & feeders Solid/liquid separation equipment scale-up	R	W423	Australia firm on Gold Tax	A	J378 M347	introduced  A TBM speeds exploration drivage at Kiena gold	M	W060
Record year for Coss Gold RSA's special shares Misorco goes for gold	MA MA	W J218	Over the shoulder The Economic Definition of	В	J509	TRADE & STATISTICS			drivage at kiena gold mine Criteria for selecting a	A	MO84
Portugal steps up oil and mineral search	369	W J234	Osterreichisches Montan-	R	M512	Gold dampener	167		boom-type roadheader Machines for boring raises	A	M183 W265
Minerals and the state A flexible approach	N		Handbuch 1988 The Gold mines of Merionett Colour plotter for	h R		Platinum outlook Tomorrow's necessities	N	J002 J011	Austrian tunnelling methods Rock support	A	M28:
Small mines definition BP Gold sinks	D 181 361 361	W J254	geological maps	M	M515	Sent to Coventry Gold capital costs Noble trading widened	M		Roadheaders in the Ruhr	A	#47
W.A. woos Eastern Europe Chinese processing shortage	1/	A J258	PUMPS & PIPES			Wargins narrow Yugoslavian output	8	J030 A J042			
Southern African minerals debale Uranium: the way shead	11	A J259 J262	De-silting Nchanga open pi Tough pumps for mining/	t A		Philippines mine output Food and fertilizers	N	J045	UNDERGROUND MIL	NIN	IG
More sorrow than anger Western world coal and	N	J263	Processing New flameproof submersible	M	M128	Lower Peruvian output Chile: record trade surplus Leading eases LME stocks	I		Robots tested in Siberian		
lignite mines Inco takes the initiative	A MY	W J273	Pumping coal into PFBC furnaces	*		scarcity LME changes	8	J068	mines Rammelsberg Flameproof laser for mining	A A	
Camerous activity Mining legislation is Casada's base metals	da I	A J276 A J278			M216	Speciality glasses survey Anglo's foreign assets	8	J068	tunnelling Developments in longwall	" N	M05
Clean living	90 30	J280	RECLAMATION			Uranium supply and demand Summer doldrums for base metals	N 8		coal mining Criteria for selecting a	A	
Pasminco issue Bolivias credit	M	W J293	Mary Kathleen put to grass Landscaping techniques and restoration	1	A J078	Fundamentals intact Copper cost comparisons	8	J084	boom-type roadheader Wachines for boring raises	A	M18 M26 M28
U.S. bill for gold/silver coins Investors sought for		A J299	restoration	,	2482	Gold loans Zircon ship is lost at sea	10	W J097	Rock support 2-leg support for low seam Olympic Dam project	B M	M29
Dominican Republic Colorado's mining		A J299	RESEARCH			Philippines' growth Labour dispute pricing	0		Stawell joint venture Ulan coal mine, New South	A	M36
partmership	M	W J314	Tomorrow's necessities	N	J011	Japanese trade Thailand exports increase	1	J128 A J163	German Creek mine	A	

# **Companies and Other Public Bodies**

A			MW J037		MF JU70	Giant Yellowknife Mines	A M094
ATHEM	M J145	IA J163 IA J203 MF J290 MW J293	MW J253 IA J358		MF J266 MF J431	Gibraltar Mines	MF J471 MF J251
Abermin Corp.	IA J121 MF J430	British Geological Survey	MF J406 IA J123			Gilson Co. Inc. M J225 M M221	M J063 M J343
ABM Gold Corp.	MF J131 IA J006	British Petroleum	MW J395 MW J037	D		Golconda Minerals Golden Shamrock Mines	MF J391 P M079
Agnico-Eagle Mines	MF J288 IA J120	A M330 MW J477 British Steel	MF J515 MF J311	Davis Derby Davy NcKee	M J401 IA J041	Golden Sitka Resources	IA J356 IA J416
MF J212 MF J472 Alcan	MF J516 IA J062	Broken Hill Proprietary IA J120 MF J214	MF J016 MF J216	De Beers	IA J202 MW J137	Golden Star Resources Gold Fields Mining Corp.	IA J236 P M244
IA J077 MF J134 IA J182 IA J257	MF J151 MF J289	IA J120 MF J214 P M150 MW J333 Bucyrus-Erie	MF J515 M J044	Deelkraal	MW J478 MF J310	Gold Fields Namibia Gold Fields of South Africa	MF J330 MF J053
Alfa-Laval Desalt	IA J438	A.F. Budge	M M294 A M053	C. Deilmann AG Deilmann-Haniel GmbH	P M459 M J027	MF J153 Gold Standard Inc.	MF J309 MF J133
Alluvial Mining & Shaft Sinking	M M435	Buffelsfontein Bureau de Recherches	MF J350	Denison Mines	M M222 MF J430	R. Goodwin International	MF J431 M J241
Alotta Resources	M M059 IA J356	Geologiques et Minieres (BRGM)	IA J060	Denison-Potocan Co. Denison Resources	P M011 IA J061	Grand Teton Industries Granges Aluminium	IA J040 MF J516
Alrain Industries Aluminium Bahrain	M J323 IA J061	1A J076	IA J436	Dizon Copper-Silver Mines Dome Resources	IA J257 IA J120	Granges Exploration	MF J017
Aluminum Company of America IA J457	MF J151 IA J483			Doornfontein Dore Norbaska Resources	MF J310 MF J019	Greenbushes IA J222	MF J288 MF J266
AMAX MF J131 MF J311	MF J036 MF J351	C		Dosco Overseas Engineering Dowty Automation Systems	M J185 M J185	Greenwich Resources Grootvlei	MF J034 MF J093
Amax Gold MF J018	IA J006 MF J112	Callahan Mining	IA J220 IA J456	MW J393 Dresser Industries	A M375 M J322	Gullick Dobson	MF J350 M J144
AMCO Plastics American Barrick	MF J410	Cambior Camino Resources	MF J516	Dumagami	A M333 MF J091	Gwalia Resources	M M295 MF J232
American Cyanamid	P M313 IA J501	Canadian Mining and Energy	IA J317	Dunkwa Goldfields Du Pont Co.	H M087	MF J266 MF J371	MF J388
Andaman Resources Anderson Strathclyde	IA J220 M M060	Corp. Canamax Resources	MF J155 IA J061	Durban Roodepoort Deep	MF J070	н	
Anglesey Mining plc	M J343 P M006	IA J236 IA J480 Canaustra Gold Exploration	MF J516 MF J407		MF J350	Hagby Bruk	M W128
Anglo American Corp.	IA J337 MF J054	Canterra Equipment Inc. Canyon Resources	M M059 IA J160	E		Hamersley Holdings Harmony	P M076 MF J070
MW J073 MW J075 MF J348 ME J470	ME J090 MF J472	Capper Pass Capricorn Coal Management	MW J354 A M474	East Driefontein	MF J310	Harnischfeger Corp.	WF J350 M J223
Anglo American Pacific Anglovaal	MF J133 MF J329	Carpentaria Gold Carr Boyd Minerals	MF J330 IA J120	Eastern Transvaal Cons.	MF J069 MF J329	Hartebeestfontein	M J505 MF J069
Arab Organisation for	MW J478	MF J216 MF J251 MF J351 MF J369	MF J330 IA J376	East Rand Proprietary Mines	IA J120 MF J070	MF J249 ME J250 Hecla Mining	MF J329 IA J026
Mineral Resources Arab Potash Company	IA J339 MF J271	Caterpillar M J322 M J423	A M170 A M369	Echo Bay Mines	MF J350 MF J019	MF J113 IA J120 IA J356	MF J171 MF J429
Armada Resources	MW J137 IA J041	Cathedral Gold Corp.	A M468 MF J391	MF J134 MF J231 MF J410 IA J417	IA J396 MF J493	Hemlo Gold Mines John T. Hepburn Ltd.	MF J288 M M130
IA J122 NW J157	IA J160 MF J370	Central Mining Research Station	E M241	EG&G Geometrics	MF J513 M M058	Highlands Gold	M M517 IA J500
IA J376	P M460	Central Selling Organisation Chamber of Mines of South		Eickhoff	M J279 A M375	Hill Minerals MF J155 MF J232	IA J101 MF J310
Ashanti Goldfields Ashton Gold	IA J238 MF J310	Africa Charter Consolidated	E M241 MF J036	Elandsrand	MF J093 MF J348	Hoechst AG	M M125
Ashton Wining Associated Manganese Wines	MF J369	ChemGrout M M221	M J081 M J381	Elders Resources	MF J216	Homestake Mining MF J111	IA J202
of South Africa Association of Tin Producin	MF J267	Chemwes	MF J348 MW J413	Electrovale SA	IA J042 MF J070	Hudson Say Mining and Smelting	IA J239
Countries Atlas Consolidated Mining	S J050 IA J257	Chevron Resources China National Coal Import-	IA J143	Emperor Wines	WF J190 WF J251	Huwood Control Systems M M060 M M130	M J010 M J441
Atlas Copco M M130 A M283	MF J019 MF J411	Export Corporation	MF J271	Endeavour Resources Energex Minerals	MF J071 IA J040	1	
Aughinish Alumina	MF J491 P M247	City Resources IA J140 IA J220	IA J061 IA J356	English China Clays	IA J397 MF J071		
Australian Consolidated Winerals	IA J078	IA J397 IA J416 Claddagh Gold	IA J417 MF J071	MF J216 MF J493	A M492 MF J288	ICI Australia Idaho Gold Corp.	IA J061 IA J337
MW J137 IA J256 Australian Mineral	MF J287	Cliff Resources Corp.	MF J330 MF J407	Ennex	IA J220	Impala Platinum MF J136 ME J268	ME J132 IA J337
Industries Research Association (AMIRA)	IA J142	Cluff Resources	IA J006 MF J407	Epithermal Gold Pty.	IA J416 IA J040	Imperial Metals	IA J120 MF J193
M J164 Australmin Holdings	M M295 MF J035	CNEN Coal Contractors Ltd.	MF J310 A N055	Equinox Resources	IA J296 IA J005	Imperial Oil Inco	MF J311
_	IA J061	Coal India	IA J122 IA J278	L'Equipement Minier	IA J377 M M057	IA J122 IA J160 IA J277 MW J353	MW J273 MF J389
		Codelco IA J340 IA J398	MF J087 IA J457	Ergo	MF J093 MF J348	Inco Gold	MF J493 IA J356
В		Coeur d'Alene Mines	MW J498 IA J007	Briez Magnetics	M J261 M M514	Ingersoll-Rand	A M285 A M468
Barrack Wines Battle Wountain Gold	IA J481 IA J100	MF J034 MF J171 Colont Pacific Exploration	MF J513 IA J005	Esso Exploration and Production Australia	MF J195	In-Situ Technology Joint Venture	IA J319
Beatrix	MF J112 MF J093	Comalco	IA J181 MF J194	European Economic Community	IA J399	Inspiration Resources	MF J070 MF J271
Bell Group	MF J350 MF J113	Comibol	IA J005 IA J203			Instantel Interlect Instruments	M J423 M J103
Bell Resources	MW J333 MW J021	Comilog	MF J091 IA J025	•		International Wining Consultants	M J164
MF J056 Bema Gold Corporation	MF J173 MF J267	MF J035 IA J060 IA J140 IA J142	IA J076 MF J194	Fairclough-Parkinson Mining Falconbridge	MW J021	International Tim Council	M M440 S J050
Benguet Corp. Bestone Corp.	1A J257 M M294	MF J212 MF J290 MF J411	MF J350 IA J419	IA J076 IA J077 IA J161 MF J173	MF J112 MF J288	Iowa Wold Tooling Co.	N J225
Bethlehem Steel BHP Gold Mines	IA J278 MF J514	Communication and Control Engineering	M J381	MF J371 MF J389	MF J428 MF J473	Ivernia West	MF J231
Bioseparation Ltd. Birtley Engineering	N M221 N J323	Companhia de Mineracao e	m 5361	J.H. Fenner & Co. Fitzpatrick Industries	M M293 M J207	J	
Bitech Energy Resources	M J380 IA J221	Participacies Ltda (CMP) Companhia Val do Rio Doce	IA J025 IA J025	Fluor Corporation	M M293 P M006	Jarva	A M088
Black Flag Consolidated Blyvooruitzicht	MF J035	MF J190 IA J320	MF J350	FMC Gold	MF J111 MF J351	Jascan Resources JKS Boyles	MF J071 M J145
	MF J350	Conroy Petroleum and Natura	IA J397	Freeport McMoRan Gold MF J112 IA J120	MW J023 MF J430	H.J. Joel	MF J069
Boart International Boliden	MF J091	Resources Consolidated Goldfields	MF J351 MW J217	IA J439 MF J469	MF J515 P M460	IA J298 Johannesburg Consolidated	MF J348
Boliden Allis	MF J516 MF J114	MW J233 MW J234 N J263 MF J271	NW J255 NF J289	Freegold	MF J093 MF J348	Investment Co. MF J175 MF J266	ME J173
Bond Corp.	M J323 MW J021	MF J309 MF J328 MF J367 MF J369	MW J333 MF J492			Johnson Matthey	MF J348 IA J041
MF J071 MF J311 MF J370 MF J388	MF J328 MF J447	Consolidated Modderfontein Cookson Group	MF J093 MF J036	G		Jordan Phosphate Mines	MF J491 IA J277
Bond International Gold In	MF J492 c. MF J055	Corona Corp. MF J070 MF J195	MF J036 MF J251	Galactic Resources	MF J033		
MF J113 MF J267	MF J391 MF J491	CRA	MF J267 IA J076	Gardner Denver	MF J449 A M369	K	
Boretec Inc. Bougainville Copper	A M089 IA J077	MW J217 IA J221 IA J296 IA J358	MF J250 MF J430	Gecamines Geevor	MW J393 MF J216	Kali und Salz AG	P M011
MF J172 IA J438 Boxmag-Rapid	MW J453 M J241	Craelius MF J473	1A J482 M M131	Gencor	MF J389 IA J200	Kamyr	M J204 M M292
BP Gold	MF J311 MW J037	Cross Lake Winerals	M J279 IA J256	MF J271 MF J348	ME J408 MF J468	Kenmare Resources	IA J101 MF J271
BP Mineracao	MW J255 MF J113	Crown Resources CSIRO	MF J019 E M241	Geodome Resources George Moss Ltd.	MF J071 M J323	Kerr Addison IA J317	MF J134 MF J411
Bracken	MF J093 MF J349	CSR A M381	A M389 MF J113	German Creek Coal Getty Resources	A M474 MF J019	Kiena Gold Mines	A M088 MF J093
Bramall Laser Systems Breakwater Resources	M M058 MF J071	Cultus Gold MW J197	MW J315 IA J100	Giant Bay Resources	MF J248 IA J060	Kloof	MF J349 MF J310
MF J251	MF J371		IA J357	IA J101	MF J251	Kobe Steel	M J505

Komatsu I		J043	Monarch N.L.	MF	J035	0			Taylor Woodrow	IA	J062
M M225 N J300	A	M373 M513	Montabert	A	M371 J071	-				A	M051
	M .	J380	Montana Reserves Moog Controls	M	J343		IA N	J500 J065	Teck Corp.	MF	J428 J472
Trebs Engineers	16	J440 J125	Morgardshammar Mount Isa Mines	MM	J145 J353				Teledyne Canada Mining Products	M	J165
. N M294		J423 M222	Mt. Newman Mining Muscocho	MF	J239 J134				Terex Corp.	ME ME	M295 J145
Crupp Widia		J081 J300	· ER J297	MF .	J410	R			Terrahunt Geoscience Ltd.	M	M059
			N			Randfontein Estate Gold Mining Co.	MW	J001	Tidco Engineering Group Titan Resources	M . P	M127
			Neptune Mining Nerco Minerals	IA	J461 J102	MF J069 MF J112	ME	J191 J398	TOTAL Total Erickson	MF	J019
	IA	J005 J294	MF J249 Newman Gold	IA	J276 J023	Rand Mines	MF	J267 J350	Trelleborg	N	J227
MW J374 MF J448	MP	J472		MF	J111	Raychem	M	J043	Trolex Tundra Gold Mines	M	M131
ebowa Platinum Mines	ME	J155 J086	Newmont Mining MF J310 MF J350	HF	J197 J369	J.S. Redpath	A	J352 M088		IA	J236
	MF IA	J267 J101	Noranco Wining	IA	J415 J203	Renison Goldfields	IA	M125 J180	TVX Tyronics	MF	J311 J400
	MF	J093 J349	murania IA J257	MP	J431 J019	Reynolds Aluminum	MF	J515 J151			
ibanon iebherr	MF	J310 M488	IA J120 IA J122 IA J161 IA J220	MF	J153 J256	Reynolds Metals	IA	J296 J483	U		
ithium Australia odestar Winerals		M315 J296	MF J286 IA J297 MF J389 IA J436	MF	J352 J447	Rhombus Exploration	IA	J201 J501	Unisel	MF	J093
ondon Bullion Market	S	J246	Normandy Resources	IA	J501 J449	Richard Mozley	M	J423 J036	United Keno Nill United Nations	IA	J378
ondon Metal Exchange	S	J067	Normet.	M	J400	MF J172 MW J198	MF	J428	MW J254 IA J259	IA	J359
8 J282	S	J247 J307	Norsk Hydro MF J391 IA J461	MF	J320 J471	Rip Tinto-Zinc	MF	J172 J019	Universal Drill Rigs	M	J009
antho	MF	J328 J492	North Broken Hill Holdings	ME	J217 J449	MF J112 WW J159	MF	J231 J473	University of Queensland	HW	J414 M324
oraine	MF	J069	North Flinders Mines	MF	J248		MM	J477	Urangesellschaft	MP	J514
	MP	J329 J172	Northgate Exploration	MF	J057 J251		A	M333 J463	U.S. Bureau of Mines U.S. Energy Corp.	IA	M24:
	MF	J016	North Kalgurli Wines Norzinc	IA	J025 J091	Robertson Group	MP	J034	U.S. Geological Survey	MW	J355
M			NSM plc	MF	J449	Roebuck Resources	IA	J449 J180	U.S. Gold Corp. USMX Inc.	MF	J331 J071
			0				М	J027		MF	307
faamba Collieries fackley Pumps	MP	J331 J144	-				M	J243 M441	V		
fagma Copper	IA	J320	Oak Orenstein & Koppel	H	J144 N371	Rossing Uranium Royal Gold Inc.	IA	J439 J272	Vaal Reefs	MF	
	MF	M456 J311	Ohio Brass Ok Tedi Mining	MW	M128 J253		ME	J088	Venterspost	MF	J34 J31
Mallon Winerals Corporation	MF	J490 M466	P M150	IA	J482	-			Versatec Electronics	M	J32
Malvers Instruments	M	W131	Opencast Mining & Engineering Consultancy			S			Vestor Exploration	IA	J29
Manila Wining Mannesmann Demag	IA	J238 J463	Service	14	M129	SADCC	н	M324	Vieille-Montagne SA Vlakfontein	MF	J39 J31
Manna Mechanical Equipment	M	M060	Ore Sorters (North America)	м	J010	St. Helena	MI	J093	Voest-Alpine Maschinenbau	16	J36
Manville Corp.	M.M.	J433		M	M294	Sala International	Mir	J349 J063	Volvo	M	M51
Marievale NF J349	IA	J180 J376	Oryx Gold holdings	ME	J092 J349	Sandhurst Wining	M	M224	VSM Exploration	IA	
Marlow Drilling Services	IA	J440	Outokumpu Oy MW J038 MW J075	MF	J019 J098	Santana Resources Corp.	M	J009	w		
Wartis Europe GmbH Watthew Hall Ortech	M	J185 J381	M J125 MW J158	MA	J178	Sasol	MP	M217 J390	**		
McAdam Resources	MF	J133	MF J232 MW J235 M M296 MW J395	MF	J288 J415	Scania	M	J204	Wankie Colliery Company West Driefontein	MP	
Meekatharra Minerals Metallgesellschaft	MW	J158 J490	MF J469	P	M456	SEI Industries	M	J463 W126	Western Areas	MF	J06
Metana Minerals	MF	J175	-				16	J484	Western Deep Levels	MP	
MF J251 A M166	IA	J317 J357	P			Senninger Irrigation	M	J103		MF	J34
Micon International Ltd.	IA	J259	Pacific Coal	NF	J289	Serata Geomechanics	M	J484	Western Mining IA J296 MW J373	MF	J15
Micronesian Mineral Resource	М	M439	Pacific Wining and Smelting	MP	J070 J172	Shell Brasil	M	J145 J234	A M360	MW	
Co.	MP	J450	Pan Australian Mining	P	M244	Siemens AG	M	M057	Western Platinum Westfield Minerals	MF	J33
MIN Holdings M NOSS MV J157	MF	J070 J161	Pancontinental Mining Paragon Resources	IA	J239 J251	Simonacco Societe d'Enterprise et	M	J145	West Rand Cons.	MF	J09
IA J221	IA	J378		MF	J351	d'Investissements SA			Whim Creek	MP	
Minera Lac Chile Mineral Industries Research	IA	J200	Paranapanema SA Mineracao	MP	J113	(Sibeka) Societe Generale de Belgique	MP	J017 J390	MF J195 IA J419 White Industries	MF	J42
Organisation (MIRO)	N N	J011 J013	Paringa Pasminco	MF	J248 J329	Sons of Gwalia	MF	J035	White Industries Winkelhaak	MF	
Mineral Marketing	-			MW	J355	South African Land	MF	J093	Wirtgen GmbH	MP	J34 M29
Corporation of Zimbabwe Mining and Allied Machinery	MF	J194	Pechiney MF J290 MW J413	IA	J237 J459	Southern Resources	MP	J348 J330	Wirth	. A	M33
Corp.	M	J185	Pegasus Gold	IA	J258	Southern Ventures	MF	J410	Witchita Co.	M	M43
fining Machinery Developments	м	J241	Pelsart Resources	MF	J493 J155	South Roodepoort Steetley	MF	J093 J175	Worsley Alumina Wright Engineers	A	M35
Sinnova	IA	J317	Phelps Dodge	MM	J099	Stilfontein	MF	J093	** reut pugineers	m.F	J31
Wisorco	IA	J358 J233	Phoenix AG	MF	J390 J441	Stora Kopparberget	MF	J348 J063	Y		
WW J234 H J263	MF	J289	Placer Dome	MF	J019	Sumitomo Metal	MF	J113	Young Group	MP	J4
MF J309 MF J328 MW J373 MF J388	MF	J367 J493	MW J218 IA J221 Placer Pacific	IA	J481 M077	Sunshine Mining	MF				-
Winpeco	NEW	J157	Pohang Iron and Steel	IA	J438	Surpac Mining Systems	MA		Z		
	MW	J335	Poseidon	MP	J133 J515				-		
B J265	MF	J287	MF J248								
MinVen Gold Corp.	MF	J287 J351	Preussag	MF	J070	T			Zambia Consolidated Copper Wines	MW	W J00
MinVen Gold Corp.	MF					Talc de Luzenac	A	M488	Zambia Consolidated Copper Wines MW J037 A M026 1A J222 IA J259	MW IA MF	A J18

